BRUHAT BENGALORU MAHANAGARA PALIKE

Name of Work : Balance Work of Marriage Community Hall in Jakkur in Ward No. 07, (Byatarayanapura).

Est. Cost Rs. 2.00 Crore

Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
1	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. **Item No. 1.4.1, Page No. 05, Vol - I PWD SR 2021-22**	Cum							
	For Compound Wall N/S		1	19.60	1.10	1.50	32.34		
	S/S		1	31.60	1.10	1.50	52.14		
	E/S		1	26.00	1.10	1.50	42.90		
	W/S		1	25.70	1.10	1.50	42.41		
							169.79	204.60	34738.00
	Basic Rate	186.00							
	Add Area Weightage 10%	18.60							
	Total	**204.60**							
2	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite / trap / basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, qÀell compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) **Mix 1:4:8(M5) Using 40 mm nominal size graded crushed coarse aggregatesItem No. 2.1.2, Page No. 15, Vol - I PWD SR 2021-22**	Cum							
	For Compound Wall N/S		1	19.60	1.05	0.15	3.09		
	S/S		1	31.60	1.10	0.15	5.21		
	E/S		1	26.00	1.05	0.15	4.10		
	W/S		1	25.70	1.10	0.15	4.24		
	Building Surrounding								
			1	19.60	1.00	0.15	2.94		
			1	31.60	1.00	0.15	4.74		
			1	26.00	1.00	0.15	3.90		
			1	25.70	1.00	0.15	3.86		

SHRIVA CONSTRUCTION AND CONSULTANCY

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Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
							32.07	5900.40	189235.00
	Basic Rate	5364.00							
	Add Area Weightage 10%	536.40							
	Total	**5900.40**							
3	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) **Item No. 5.4, Page No. 9, Vol - II PWD SR 2021-22**	Cum							
	1st Course								
	For Compound Wall N/S		1	19.60	0.75	0.60	8.82		
	S/S		1	31.60	0.75	0.60	14.22		
	E/S		1	26.00	0.75	0.60	11.70		
	W/S		1	25.70	0.75	0.60	11.57		
	2nd Course								
	For Compound Wall N/S		1	19.60	0.60	0.60	7.06		
	S/S		1	31.60	0.60	0.60	11.38		
	E/S		1	26.00	0.60	0.60	9.36		
	W/S		1	25.70	0.60	0.60	9.25		
	3rd Couse								
	For Compound Wall N/S		1	19.60	0.45	0.45	3.97		
	S/S		1	31.60	0.45	0.45	6.40		
	E/S		1	26.00	0.45	0.45	5.27		
	W/S		1	25.70	0.45	0.45	5.20		
	Front of Building Drains								
	Existing Drains raising		2	50.00	0.45	0.45	20.25		
							124.44	5964.20	742163.00
	Basic Rate	5422.00							
	Add Area Weightage 10%	542.20							
	Total	**5964.20**							
4	Providing ruled pointing to cursed stone masonry with lime mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost all materials, labour, usage charges of machinery, curing complete as pre specification. **Item No. 21.10 Page No. 190, Vol - II PWD SR 2021-22**	Sqm							
	3rd Couse								
	For Compound Wall N/S		2	19.60		0.90	35.28		
	S/S		2	31.60		0.90	56.88		
	E/S		2	26.00		0.90	46.80		
	W/S		2	25.70		0.90	46.26		
	Existing Drains raising		2	50.00		0.60	60.00		
							245.22	261.80	64199.00
	Basic Rate	238.00							
	Add Area Weightage 10%	23.80							
	Total	**261.80**							

SHRIYA CONSTRUCTION AND CONSULTANCY

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Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
5	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite / trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) **Item No. 2.5.2 Page No. 17, Vol - I PWD SR 2021-22**								
		Cum							
	For Compound Columns Footing								
	N/S		6	1.00	1.00	0.75	4.50		
	S/S		9	1.00	1.00	0.75	6.75		
	E/S		8	1.00	1.00	0.75	6.00		
	W/S		8	1.00	1.00	0.75	6.00		
	Columns for Compound								
	N/S		6	0.30	0.30	3.00	1.62		
	S/S		9	0.30	0.30	3.00	2.43		
	E/S		8	0.30	0.30	3.00	2.16		
	W/S		8	0.30	0.30	3.00	2.16		
	Compound Plinth beams								
	N/S		1	19.60	0.20	0.30	1.18		
	S/S		1	31.60	0.20	0.30	1.90		
	E/S		1	26.00	0.20	0.30	1.56		
	W/S		1	25.70	0.20	0.30	1.54		
	Ground Floor								
	Columns 1		19	0.60	0.30	3.00	10.26		
	Columns 2		6	0.60	0.45	3.00	4.86		
	Lift Columns		4	0.60	0.20	3.00	1.44		
	Roof Beam								
	Beams Towards N/S to S/S								
	L/W		1	6.00	0.30	0.30	0.54		
	L/W		1	4.90	0.30	0.30	0.44		
	L/W		1	22.60	0.30	0.30	2.03		
	L/W		2	22.60	0.60	0.60	16.27		
	L/W		1	15.55	0.60	0.60	5.60		
	L/W		1	5.45	0.30	0.30	0.49		
	L/W		1	9.80	0.30	0.30	0.88		
	L/W		1	4.15	0.30	0.30	0.37		
	L/W		1	5.90	0.30	0.30	0.53		
	Beams Towards E/S to W/S								
	S/W		1	28.60	0.30	0.30	2.57		
	S/W		1	5.40	0.30	0.30	0.49		
	S/W		1	4.10	0.30	0.30	0.37		
	S/W		1	4.00	0.30	0.30	0.36		
	S/W		1	4.00	0.30	0.30	0.36		
	S/W		1	3.80	0.30	0.30	0.34		
	S/W		1	3.80	0.30	0.30	0.34		
	S/W		1	4.10	0.30	0.30	0.37		

SHRIYA CONSTRUCTION AND CONSULTANCY

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Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	S/W		1	4.00	0.30	0.30	0.36		
	S/W		1	4.00	0.30	0.30	0.36		
	S/W		1	4.10	0.30	0.30	0.37		
	S/W		1	4.00	0.30	0.30	0.36		
	S/W		1	4.00	0.30	0.30	0.36		
	S/W		1	2.10	0.30	0.30	0.19		
	S/W		1	1.40	0.30	0.30	0.13		
	S/W		1	4.10	0.30	0.30	0.37		
	S/W		1	4.00	0.30	0.30	0.36		
	S/W		1	4.00	0.30	0.30	0.36		
	Lift Beam		1	1.90	0.30	0.30	0.17		
			1	14.60	0.30	0.30	1.31		
	Staircase - Pit		2	1.40	0.20	0.45	0.25		
	W/S		2	1.80	0.20	0.45	0.32		
	Landing		1	1.50	1.20	0.60	1.08		
			3	1.50	2.40	0.15	1.62		
	Steps		1	1.50	1.50	0.15	0.34		
	Sump Portion-Bottom Slab		1	1.70	1.50	0.15	0.38		
	Side Walls		17 x 0.50	1.50	0.30	0.15	0.57		
			1	3.50	3.50	0.20	2.45		
	Sump Top Slab		2	3.50	0.30	3.00	6.30		
	Roof Slab		2	2.90	0.30	3.00	5.22		
			1	3.50	3.50	0.15	1.84		
			1	23.35	(28.6+14.6)/2	0.20	100.87		
	Deduction - Staircase and Lift Portion						212.65		
	Sump -Inspection Door		1	5.60	5.20	0.15	4.37		
	Deduction for Compound Columns		1	0.60	0.60	0.15	0.05		
			6	0.30	0.15	0.30	0.08		
			9	0.30	0.15	0.30	0.12		
			8	0.30	0.15	0.30	0.11		
			8	0.30	0.15	0.30	0.11		
							-4.84		
	Basic Rate	6492.00					207.81	7498.26	1558228.00
	Add 5% for Shuttering	324.60							
		6816.60							
	Add Area Weightage 10%	681.66							
	Total	**7498.26**							
		Cum							
6	**First Floor**								
	Columns 1		19	0.60	0.30	3.65	12.48		
	Columns 2		6	0.60	0.45	3.65	5.91		
	Lift Columns		4	0.60	0.20	3.65	1.75		
	Cill Concrete								
	Below Window								
	Above Windows		5	2.40	0.40	0.20	0.96		
	Column Raising after roof 1st Floor		13	2.40	0.40	0.20	2.50		
			19	0.60	0.30	1.00	3.42		
			6	0.60	0.20	1.00	0.72		
			4	0.60	0.45	1.00	1.08		
	Walls Towards N/S to S/S								
	L/W		1	6.00	0.30	0.30	0.54		
	L/W		1	4.90	0.30	0.30	0.44		
	L/W		1	22.60	0.30	0.30	2.03		
	L/W		2	22.60	0.60	0.60	16.27		
	L/W		1	15.55	0.60	0.60	5.60		

SHRIYA CONSTRUCTION AND CONSULTANCY

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Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	L/W		1	5.45	0.30	0.30	0.49		
	L/W		1	9.80	0.30	0.30	0.88		
	L/W		1	4.15	0.30	0.30	0.37		
	L/W		1	5.90	0.30	0.30	0.53		
	Walls Towards E/S to W/S								
	S/W		1	28.60	0.30	0.30	2.57		
	S/W		1	5.40	0.30	0.30	0.49		
	S/W		1	4.10	0.30	0.30	0.37		
	S/W		1	4.00	0.30	0.30	0.36		
	S/W		1	4.00	0.30	0.30	0.36		
	S/W		1	3.80	0.30	0.30	0.34		
	S/W		1	3.80	0.30	0.30	0.34		
	S/W		1	4.10	0.30	0.30	0.37		
	S/W		1	4.00	0.30	0.30	0.36		
	S/W		1	4.00	0.30	0.30	0.36		
	S/W		1	4.10	0.30	0.30	0.37		
	S/W		1	4.00	0.30	0.30	0.36		
	S/W		1	4.00	0.30	0.30	0.36		
	S/W		1	2.10	0.30	0.30	0.19		
	S/W		1	1.40	0.30	0.30	0.13		
	S/W		1	4.10	0.30	0.30	0.37		
	S/W		1	4.00	0.30	0.30	0.36		
	S/W		1	4.00	0.30	0.30	0.36		
	S/W		1	1.90	0.30	0.30	0.17		
	S/W		1	14.60	0.30	0.30	1.31		
	Lift Beam		2	1.40	0.45	0.20	0.25		
			2	1.80	0.45	0.20	0.32		
	Staircase								
	W/S		3	1.50	2.40	0.15	1.62		
	Landing		1	1.50	1.50	0.15	0.34		
			1	1.70	1.50	0.15	0.38		
	Steps		22 x 0.50	1.50	0.30	0.15	0.74		
	Roof Slab		1	23.35	(29.2+15.2)/2	0.20	103.67		
	Parapet Wall Coping								
			1	24.00	0.15	0.15	0.54		
			1	24.70	0.15	0.15	0.56		
			1	29.60	0.15	0.15	0.67		
			1	15.60	0.15	0.15	0.35		
	Deduction - Staircase and Lift Portion		1	5.60	5.20	0.15	-4.37		
							170.94	7548.26	1290290.00
	Basic Rate	6492.00							
	Add 5% for Shuttering	324.60							
		6816.60							
	Add Area Weightage 10%	681.66							
	Lift Charges	50.00							
	Total	**7548.26**							
7	Supplying, Fitting and Placing un-coated TMT bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. MORTH Specification NO.1600&2200 **(PWD SR 2021-22 Vol -III Page No. 99, item no 13.1)**	T							
	GF 200 Kg / Cum		0.21	207.81			**43.64**	113661.90	4960264.00
8	FF 200 Kg / Cum		0.21	170.94			**35.90**	113661.90	4080137.00
	Revised Rate 08-04-2022 Basic rate	103329.00							
	Area weightage 10%	10332.90							

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Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Total	113661.90							
9	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications **PWD SR 2021-22, Page No. 17, Item No. 6.33, Vol - II**	Sqm							
	Compound Wall								
	For Compound Wall N/S		1	19.60		2.00	39.20		
	S/S		1	31.60		2.00	63.20		
	E/S		1	26.00		2.00	52.00		
	W/S		1	25.70		2.00	51.40		
	Dediction for Columns		-27	0.30		2.00	-16.20		
							189.60	1173.70	**222534.00**
	Basic Rate	1067.00							
	Add Area Weightage 10%	106.70							
	Total	**1173.70**							
10	**First Floor**	Cum							
	Rooms		1	5.45		3.65	19.89		
			1	8.00		3.65	29.20		
	For Toilet								
			2	3.50		3.65	25.55		
			8	1.50		3.65	43.80		
	Staircase Room								
			2	5.45		3.00	32.70		
			2	5.50		3.00	33.00		
							184.14		
	Deduction for Doors								
	Room Doors		2	0.90		2.10	3.78		
	Toilet Dorrs		4	0.75		2.10	6.30		
							-10.08		
							174.06	1198.70	**208649.00**
	Basic Rate	1067.00							
	Add Area Weightage 10%	106.70							
	Lifting Charges	25.00							
	Total	**1198.70**							
11	Providing 12 mm cement plaster with cement mortar 1:4 (1 cement: 4 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge **PWD SR 2021-22, Page No. 41, Item No. 8.1.1, Vol - II**	Sqm							
	Compound Wall								
	For Compound Wall N/S		2	19.60		2.15	84.28		
	S/S		2	31.60		2.15	135.88		
	E/S		2	26.00		2.15	111.80		
	W/S		2	25.70		2.15	110.51		

SHRIVA CONSTRUCTION AND CONSULTANCY

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Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Dediction for Columns		27	0.30		2.15	17.42		
							459.89	239.80	110280.00
	Basic Rate	218.00							
	Add Area Weightage 10%	21.80							
	Total	**239.80**							
12	First Floor	Sqm							
	Rooms		2	5.45		3.65	39.79		
			2	8.00		3.65	58.40		
	For Toilet								
			4x2	3.30		3.65	96.36		
			8x2	1.50		3.65	87.60		
	Staircase Room								
			2	5.45		3.00	32.70		
			2	5.50		3.00	33.00		
							347.85		
	Deduction for Doors								
	Room Doors		2	0.90		2.10	3.78		
	Toilet Dorrs		4	0.75		2.10	6.30		
							-10.08		
							337.77	244.80	82685.00
	Basic Rate	218.00							
	Add Area Weightage 10%	21.80							
	Lifting Charges	5.00							
	Total	**244.80**							
13	Finishing walls with water proofing cement paint of required shade :New work (Two coats applied @ 4.84 kg/10 m²) to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.. **PWD SR 2021-22, Page No. 45, Item No. 8.25, Vol - II**	Sqm							
				Qty Vide Item No. 11			459.89		
							459.89	72.60	33388.00
	Basic Rate	66.00							
	Add Area Weightage 10%	6.60							
	Total	**72.60**							
14	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :Two coats on new work after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge **PWD SR 2021-22, Page No. 48, Item No. 8.39, Vol - II**	Sqm							
				Qty Vide Item No. 12			337.77		
							337.77	104.50	35296.00
	Basic Rate	95.00							
	Add Area Weightage 10%	9.50							

SHIVA CONSTRUCTION AND CONSULTANCY

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Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Total	**104.50**							
15	Finishing walls with textured exterior paint of required shade New work (Two coats applied @ 3.28 ltr/10 m²) over and including priming coat of exterior primer applied @ 2.20kg/10 m² to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge **PWD SR 2021-22, Page No. 45, Item No. 8.29, Vol - II**	Sqm							
	Exterior Walls		1	14.60		3.65	53.29		
			1	23.00		3.65	83.95		
			1	28.60		3.65	104.39		
							241.63	228.80	55285.00
	Basic Rate	208.00							
	Add Area Weightage 10%	20.80							
	Total	**228.80**							
16	roviding and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. ** **Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent. PWD SR 2021-22, Page No. 63, Item No. 9.24, Vol - II**	Sqm							
	First Floor		1	22.35	(28.8+14.8)/2		487.23		
	Skerting		1	22.70		0.10	2.27		
			1	23.40		0.10	2.34		
			1	28.30		0.10	2.83		
			1	14.30		0.10	1.43		
	Columns		2	2.10		0.10	0.42		
			2	0.60		0.10	0.12		
	Ground Floor								
	Staircase								
	Landing		1	1.50	1.50		2.25		
			2	1.50		0.10	0.30		
			1	1.70	1.50		2.55		
			1	1.70		0.10	0.17		
			1	1.50		0.10	0.15		
	Steps		17	1.50	0.30		7.65		
			17	15.00	0.15		38.25		
	Skerting		17x2	0.30		0.10	1.02		
	Ground Floor								

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Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Staircase								
	Landing		1	1.50	1.50		2.25		
			2	1.50		0.10	0.30		
			1	1.70	1.50		2.55		
			1	1.70		0.10	0.17		
			1	1.50		0.10	0.15		
	Steps		17	1.50	0.30		7.65		
			17	15.00	0.15		38.25		
	Skerting		17x2	0.30		0.10	1.02		
	Anganavadi Hall		1	5.75	4.00		23.00		
			1	5.75		0.10	0.58		
			2	4.00		0.10	0.80		
			1	5.15	3.75		19.31		
			2	5.15		0.10	1.03		
			1	3.75		0.10	0.38		
							646.41	3194.10	2064706.00
	Basic Rate	2881.00							
	Add Area Weightage 10%	288.10							
	Lifting Charges	25.00							
	Total	**3194.10**							
17	Providing Teak wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications. **PWD SR 2021-22, Page No. 99, Item No. 12.10, Vol - II**	Cum							
	M D		1	9.60	0.13	0.20	0.24		
							0.24	259238.90	62217.00
	Basic Rate	235649.00							
	Add Area Weightage 10%	23564.90							
	Lifting Charges	25.00							
	Total	**259238.90**							
18	Providing and fixing in position fully panelled Teak wood shutters for doors with , stiles and rails of 35mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures) **PWD SR 2021-22, Page No. 100, Item No. 12.16, Vol - II**	Sqm							
	MD		1	2.10		2.40	5.04		
							5.04	10451.90	52678.00
	Basic Rate	9479.00							
	Add Area Weightage 10%	947.90							
	Lifting Charges	25.00							
	Total	**10451.90**							

SHRIYA CONSTRUCTION AND CONSULTANCY

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Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
19	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications. **PWD SR 2021-22, Page No. 99, Item No. 12.11, Vol - II**	Cum							
	Doors 1		2	7.20	0.075	0.125	0.14		
	Doors 2		10	6.20	0.075	0.10	0.47		
							0.60	99457.30	59674.00
	Basic Rate	90393.00							
	Add Area Weightage 10%	9039.30							
	Lifting Charges	25.00							
	Total	**99457.30**							
20	Providing and fixing in position fully panelled Honne wood shutters for doors with stiles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures) **PWD SR 2021-22, Page No. 100, Item No. 12.15, Vol - II**	Sqm							
	Doors 1		2	1.20		2.10	5.04		
	Doors 2		10	0.75		2.10	15.75		
							20.79	5606.40	116557.00
	Basic Rate	5074.00							
	Add Area Weightage 10%	507.40							
	Lifting Charges	25.00							
	Total	**5606.40**							
21	Polishing on wood work with ready mixed wax polish of approved brand and manufacture : New work to give an even surface including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, sand papering smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. **PWD SR 2021-22, Page No. 49, Item No. 8.47, Vol - II**	Sqm							
	MD		2	2.10		2.40	10.08		
							10.08	122.70	1237.00
	Basic Rate	107.00							
	Add Area Weightage 10%	10.70							
	Lifting Charges	5.00							
	Total	**122.70**							

SHRIYA CONSTRUCTION AND CONSULTANCY

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Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
22	Applying priming coat: With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood) including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. **PWD SR 2021-22, Page No. 47, Item No. 8.34.1, Vol - II**	Sqm							
	Doors 1		2x2	1.20		2.10	10.08		
	Doors 2		10x2	0.75		2.10	31.50		
							41.58	47.60	1979.00
	Basic Rate	41.00							
	Add Area Weightage 10%	4.10							
	Lifting Charges	2.50							
	Total	**47.60**							
23	Painting wood work with Deluxe Multi Surface Paint of required shade. Two coat applied @ 0.90 ltr/10 m² over an under coat of primer applied @0.75 ltr/10 m² of approved brand and manufacture to give an even shade including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, sand papering and knotting , cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. **PWD SR 2021-22, Page No. 46, Item No. 8.33.2, Vol - II**	Sqm							
	Doors 1		2x2	1.20		2.10	10.08		
	Doors 2		10x2	0.75		2.10	31.50		
							41.58	118.00	4906.00
	Basic Rate	105.00							
	Add Area Weightage 10%	10.50							
	Lifting Charges	2.50							
	Total	**118.00**							

SHRIYA CONSTRUCTION AND CONSULTANCY

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Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
24	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge. **PWD SR 2021-22, Page No. 113, Item No. 15.1, Vol - II** P-133								
	Roof Water proofing Balance Qty	Sqm	1	16.00		6.00	96.00		
							96.00	822.00	**78912.00**
	Basic Rate	745.00							
	Add Area Weightage 10%	74.50							
	Lifting Charges	2.50							
	Total	**822.00**							
25	Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520 / HRSC with hand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications. **(P. No. 45 / I. No. 7.38 of PWD SR 2018-19)**								
	Railing	Sqm	1	28.60		1.20	34.32		
							34.32	6505.18	**223258.00**
	Basic Rate	6021.00							
	Add Area Weightage 8%	481.68							
	Lifting Charges	2.50							
	Total	**6505.18**							

SHRIYA CONSTRUCTION AND CONSULTANCY

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Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
26	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation. **Page. No. 45 / Item. No. 7.37 PWD SR 2018-19**	Sqm							
	Gates		1	4.00		3.00	12.00		
			2	2.40		2.40	11.52		
							23.52	3252.96	76510.00
	Basic Rate	3012.00							
	Add Area Weightage 8%	240.96							
	Total	**3252.96**							
27	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite / trap / basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) **Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates PWD SR 2021-22, Page No. 15, Item No. 2.1.4, Vol - I**	Cum							
	Building Surrounding		1	19.60	1.00	0.15	2.94		
			1	31.60	1.00	0.15	4.74		
			1	26.00	1.00	0.15	3.90		
			1	25.70	1.00	0.15	3.86		
	SSM Drain Raising coping		2	50.00	0.45	0.15	6.75		
							22.19	6518.60	144615.00
	Basic Rate	5926.00							
	Add Area Weightage 10%	592.60							
	Total	**6518.60**							

SHRIYA CONSTRUCTION AND CONSULTANCY

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Sl No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
28	Fabricating, supplying and erecting M.S. Tubular Truss of span upto 15m. The bottom and top member is provided with 50x50x6mm double equal angles, welded back to back and in between top and bottom bar, in areas of mid section is provided with 50x50x6mm equal angle angle for vertical and inclined members and at supporting ends 40x40x6mm angle is provided. All the members are welded together with 8mm gusset plate as per Drawing. The entire truss is anchored in RCC column by using 4 Nos. of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. angle and welding wherever necessary and applying one coat of red oxide primer coat to all themembers including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments with all lead and lift, transportation, etc. complete as per specification. (Page No. 43 Item No. 7.29 of PWD SR 2018-19)								
		Kgs							
	trusses Tie Beam Main Pipes		4	5.50		55.00			
	Rafters		4	5.50		22.00			
						77.00			
					wt	3.23	248.71		
							248.71		
	add 10 % for gusset plates etc						11.19		
							259.90		
					Say		260.00	119.88	31169.00
	Basic Rate	111.00							
	Area Weightage @ 8%	8.88							
	Total	119.88							
29	Providing & fixing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete as per design drawings (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required as per the direction of Engineer in charge **0.63 mm thick with zinc coating not less than 275 g/ m² PWD SR 2021-22, Page No. 21, Item No. 7.1.1, Vol - II**								
		Sqm							
			1	5.50	5.20		28.60		
							28.60	874.50	25011.00
	Basic Rate	795.00							

SHRIYA CONSTRUCTION AND CONSULTANCY

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Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Add Area Weightage 10%	79.50							
	Total	874.50							
30	Providing granite slabs of selected quality roughly dressed having a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing etc., complete **Page No. 27 / Item No. 5.31.2 PWD SR 2018-19**	Sqm							
	infront of Building								
			1	50.00		1.20	60.00		
	Basic Rate	912.00		50.00			60.00	966.72	58003.00
	Area Weightage @ 6%	54.72							
	Total	**966.72**							
31	KSRB 5-9 : Providing chamfering edges to stone slab 2.5 cms. wide as per specifications. (only chamfered length shall be recorded) KBS 5.1.13 **Page No. 26 / Item No. 5.22, PWD SR 2018-19**	m							
			83	3.60			300.00	61.48	18444.00
	Basic Rate	58.00							
	Area Weightage @ 6%	3.48							
	Total	**61.48**							
32	KSRB 5-8.2 : Providing two line dressing to granite stone slab / granite stone masonry as per specifications. KBS 5.1.13 **Page No. 26 / Item No. 5.18, PWD SR 2018-19**	Sqm							
	infront of Building								
			1	50.00		1.20	60.00		
	Basic Rate	1495.00					**60.00**	1584.70	95082.00
	Area Weightage @ 6%	89.70							
	Total	**1584.70**							
33	Providing and fixing 20mm thick gang saw water cut Lakared granite for cladding in CM 1:3 (1 cement : 3 coarse sand) proportion with a coat of rough plastering using CM 1:4 (1 cement : 4 fine sand), cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing etc., complete including cost and conveyance of all materials, mortar, labour for all items of work, usage charges of machinery etc., complete as per specification **Area of the slab = 0.50 m2 PWD SR 2021-22, Page No. 69, Item No. 10.1.1, Vol - II**	Sqm							
	Staircase Cladding								
	Ground Floor								
	Steps		3x2	1.50		2.00	18.00		
	Landing		2	1.50		2.00	6.00		
			2	1.70		2.00	6.80		
	Front Wall Cladding		1	5.20		3.00	15.60		

SHRIVA CONSTRUCTION AND CONSULTANCY

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Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Add Area Weightage 10%	79.90							
	Total	874.90							
30	Providing granite slabs of selected quality, roughly dressed having a size of 10 cms thick and fixed in cement mortar (1:6) including fixing curing etc., complete **Page No. 27 / Item No. 5.31.2 PWD SR 2018-19**								
		Sqm							
	Infront of Building								
			1	50.00		1.20	60.00		
	Basic Rate	912.00		50.00			60.00	968.72	58003.00
	Area Weightage @ 6%	54.72							
	Total	968.72							
31	KSRB 5-9 : Providing chamfering edges to stone slab 2.5 cms. wide as per specifications. (only chamfered length shall be recorded) KSS 5.1.13 **Page No. 28 / Item No. 5.22, PWD SR 2018-19**								
		m							
			83	3.60			300.00	61.48	18444.00
	Basic Rate	58.00							
	Area Weightage @ 6%	3.48							
	Total	61.48							
32	KSRB 5-8.2 : Providing two line dressing to granite stone slab / granite stone masonry as per specifications. KSS 5.1.13 **Page No. 28 / Item No. 5.18, PWD SR 2018-19**								
		Sqm							
	Infront of Building								
			1	50.00		1.20	60.00		
	Basic Rate	1495.00					60.00	1584.70	95082.00
	Area Weightage @ 6%	89.70							
	Total	1584.70							
33	Providing and fixing 20mm thick gang saw water cut Lakared granite for cladding in CM 1:3 (1 cement : 3 coarse sand) proportion with a coat of rough plastering using CM 1:4 (1 cement : 4 fine sand), cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing etc., complete including cost and conveyance of all materials, mortar, labour for all items of work, usage charges of machinery etc., complete as per specification **Area of the slab = 0.50 m2 PWD SR 2021-22, Page No. 69, Item No. 10.1.1, Vol - II**								
		Sqm							
	Staircase Cladding								
	Ground Floor								
	Steps		3x2	1.50		2.00	18.00		
	Landing		2	1.50		2.00	6.00		
			2	1.70		2.00	6.80		
	Front Wall Cladding		1	5.20		3.00	15.60		

SHRIYA CONSTRUCTION AND CONSULTANCY

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Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
	Staircase Cladding								
	First Floor								
	Steps		3x2	1.60		2.00	18.00		
	Landing		2	1.50		2.00	6.00		
			2	1.70		2.00	6.80		
	Basic Rate	3512.00					77.20	3792.96	292817.00
	Area Weightage @ 8%	280.96							
	Total	3792.96							
34	Providing, laying & fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification **PWD SR 2021-22, Page No. 65, Item No. 9.40, Vol - II**	Sqm							
	Building Surrounding								
			1	19.60	1.00		19.60		
			1	31.60	1.00		31.60		
			1	26.00	1.00		26.00		
			1	25.70	1.00		25.70		
							102.90	1252.90	128923.00
	Basic Rate	1139.00							
	Add Area Weightage 10%	113.90							
	Total	**1252.90**							
	Borewell Pumpset								
35	Supply and delivery at site brand New texmo/ innoval/ Lubi/ Sabar / Atalanta/ Calamal/ make suitable for vertical installation in 150mm dia bore well comprising of single stage or multistage CF pump close coupled by measns of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for opertation of 3PH., 50 Hz, 380/440 volts AC supply fitted with required aqccessories such as suction, casing suction strainers sand guard Non return value etc. complete . The pump and motor shall form an integral unit with all the required fittings 12~~.50 HP~~ 25 stage. ATALANTA< SUGNA< CRI, KIRLOSKAR and other Equivalent Pumps **PWD SR 2018-19 P. XLII Item No. 43 including of all taxes**	No							
	15 HP 30 Stage		1				1	63498.00	63498.00
36	GI Pipe 50 mm'B' class **Page No. XLVII Sl No. 1, PWD SR 2018-19**	m							
			1	350.00			**350.00**	415.00	**145250.00**

SHRIJI CONSTRUCTION AND CONSULTANCY

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Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
37	Heavy Duty Collar 50 mm dia **Page No. XLVII, SL No. 2, PWD SR 2018-19**	Nos							
			1	60.00			60	180.00	10800.00
38	Submersible Cable 1x3x6.0 Sq.mm **(PWD SR 2018-19 Page No. XLVII Sl No. 8)**	M							
			1x2	320.00			640	144.00	92160.00
39	Labour charges for erection as new / repaired submercible pumpset allong with GI pipe (32/50mm) cable (new submercible pumpset if required will be supplied by the department free of cost and released pumpset shoud be handed over to department including transportation (Each lenth =6.00) **Page No. 558, Items No-3 BWSSB SR for 2014-15)**	Per Length							
			1	54.00			54	88.00	4752.00
40	Supplying and fixing 20"x20"x2.5" polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws., **P No. 24 / I No. 5.6.6 KPWD Electrical SR 2019-20**	Each							
			1				1	292.00	292.00
41	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975GROUP-A **P No. 40 / I No. 6.4.3 4 core 16 Sqmm KPWD Electrical SR 2019-20**	Mtr							
			1	30.00			30.00	150.00	4500.00
42	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. **P No. 41 / I No. 6.5.1 (6Sqmm to 16 Sqmm) KPWD Electrical SR 2019-20**	Mtr							
			1	30.00			30.00	11.88	356.00
43	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) **P No. 41 / I. No. 6.6.1 KPWD Electrical SR 2019-20**	Mtr							
	For Cutting Road Surface		1	25.00			25.00	76.00	1900.00

SHRIVA CONSTRUCTION AND CONSULTANCY

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Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
44	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV. **P. No. 41 / I No. 6.9.1 KPWD Electrical SR 2019-20**								
	40mm dia GI pipe	Mtr	1	4.00			4.00	335.00	1340.00
45	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. **P. No. 42 / I.No. 7.10.2 KPWD Electrical SR 2019-20**								
	16Sqmm	No.	1				1.00	270.00	270.00
46	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia. **(P No. 40, I No. 6.1) KPWD Electrical SR 2019-20**	No	1				1	2999.70	3000.00
47	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers.**P No. 24 / I No. 5.7.2 KPWD Electrical SR 2019-20**								
	32 Amps	No.	1x6				6	174.00	1044.00
48	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. **6-32Amps TPN P No. 27 / I No.5.17.7 KPWD SR 2019-20**								
		No	1				1	1715.00	1715.00

SHRIVA CONSTRUCTION AND CONSULTANCY

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Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
49	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete **P.No. 30, I. No. 5.42.2 KPWD Electrical SR 2019-20**								
		Sq.Cm							
	16SWG		1x2	120.00	60.00		14400.00		
			1	360.00	25.00		9000.00		
							23400.00	0.35	8190.00
	Sub Total								17543136.00
	GST @ 12%								2105176.00
	DPR and PMC Charges @ 2%								350863.00
	Rounding off								825.00
							TOTAL AMOUNT RS.		20000000.00

Rupees Two Crore Only

CERTIFICATE :

1 The work spot has been inspected and found to be necessary.
2 The work spot comes under BBMP Limits.
3 The provisions made in the estimate are necessary and minimum.
4 The estimate is based on PWD SR 2018-19, 2021-22 Vol I, II,II PWD ELE SR 2019-20.

Assistant Engineer
Project Sub Division
Yelahanka Zone

Assistant Executive Engineer
Project Sub Division
Yelahana Zone BBMP

Executive Engineer
Project Division
Yelahanka Zone BBMP

SHRIVA CONSTRUCTION AND CONSULTANCY

Technical Sanction
Accorded For .....
Head of A/C. ₹2,000.00 lakh
CER NO :TS/16/22 Dt:.. 21/05/2022

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Sl. No.	Description of Item	Unit	No.	L	B	D	Qty.	Rate	Amount
49	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete **P.No. 30, I. No. 5.42.2 KPWD Electrical SR 2019-20**	Sq.Cm							
	16SWG		1x2	120.00	60.00		14400.00		
			1	360.00	25.00		9000.00		
							23400.00	0.35	**8190.00**
	Sub Total								**17543136.00**
	GST @ 12%								**2105176.00**
	DPR and PMC Charges @ 2%								**350863.00**
	Rounding off								**825.00**
							TOTAL AMOUNT RS.		**20000000.00**

Rupees Two Crore Only

CERTIFICATE :

1 The work spot has been inspected and found to be necessary.
2 The work spot comes under BBMP Limits.
3 The provisions made in the estimate are necessary and minimum.
4 The estimate is based on PWD SR 2018-19, 2021-22 Vol I, II,II PWD ELE SR 2019-20.

Assistant Engineer Project Sub Division Yelahanka Zone	Assistant Executive Engineer Project Sub Division Yelahana Zone BBMP	Executive Engineer Project Division Yelahanka Zone BBMP

SHRIYA CONSTRUCTION AND CONSULTANCY

Administrative Approval
Accorded For Rs. 200.00 lakhs
Head of A/C 1.3.2.4.2
CER NO : 03 Dt: 03/04/2022
E.E. (Project)

Technical Sanction
Accorded For .....
Head of A/C Rs.200.00 lakh
CER NO : TS/16/22 Dt: 21/05/2022